

Title (en)
SHOE WITH AN ACTIVE AIR-CONDITIONING DEVICE

Title (de)
SCHUHWERK MIT AKTIVER KLIMAAANLAGE

Title (fr)
CHAUSSURE AVEC DISPOSITIF DE CLIMATISATION ACTIF

Publication
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Application
EP 99962503 A 19991124

Priority
• IT 9900384 W 19991124
• IT BO980656 A 19981124

Abstract (en)
[origin: WO0030484A1] A shoe (1) having an active air-conditioning device (2) for maintaining the temperature inside the shoe (1) at a value selectively above or below the temperature of the outside environment; the air-conditioning device (2) being integrated in the sole (3) of the shoe (1), and having a main heat exchanger (4) for exchanging heat with the inside of the shoe (1); an air compressing device (5) for feeding a pressurized air stream to the main heat exchanger (4); an auxiliary heat exchanger (10) located between the air compressing device (5) and the main heat exchanger (4) to reduce the temperature of the pressurized air stream; an expansion valve (11) located immediately downstream from the auxiliary heat exchanger (10) to rapidly expand and so cool the pressurized air stream; and a bypass conduit (12), with a relative on-off valve (13), for connecting the main heat exchanger (4) directly to the air compressing device (5).

IPC 1-7
A43B 7/02

IPC 8 full level
A43B 7/02 (2006.01); **A43B 7/06** (2006.01); **A43B 7/24** (2006.01)

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